FIG. 1

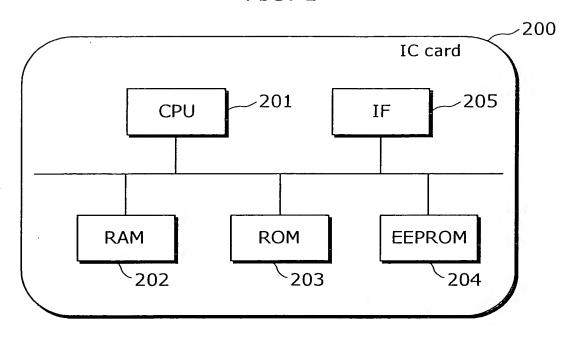


FIG. 2

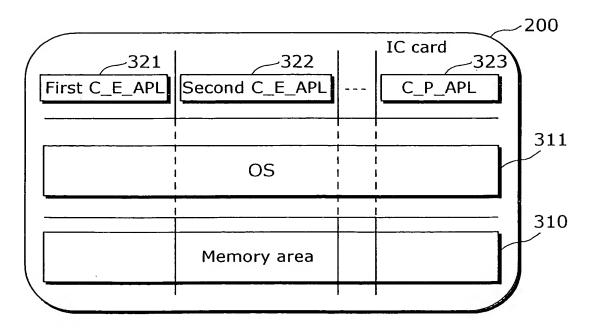


FIG. 3

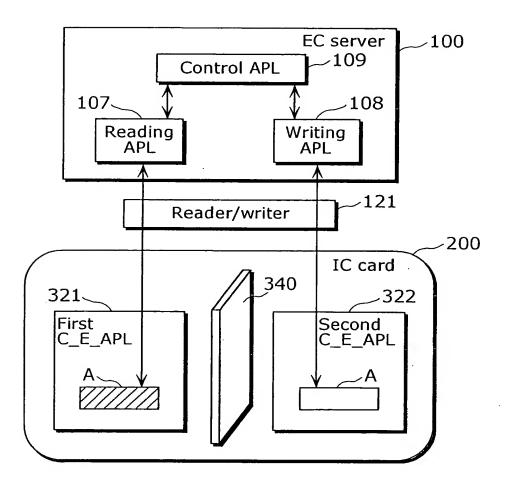


FIG. 4

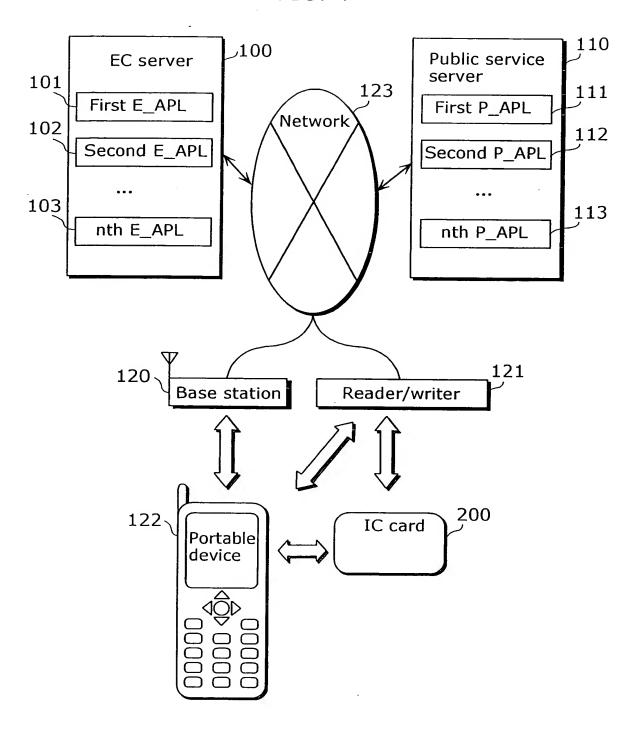


FIG. 5

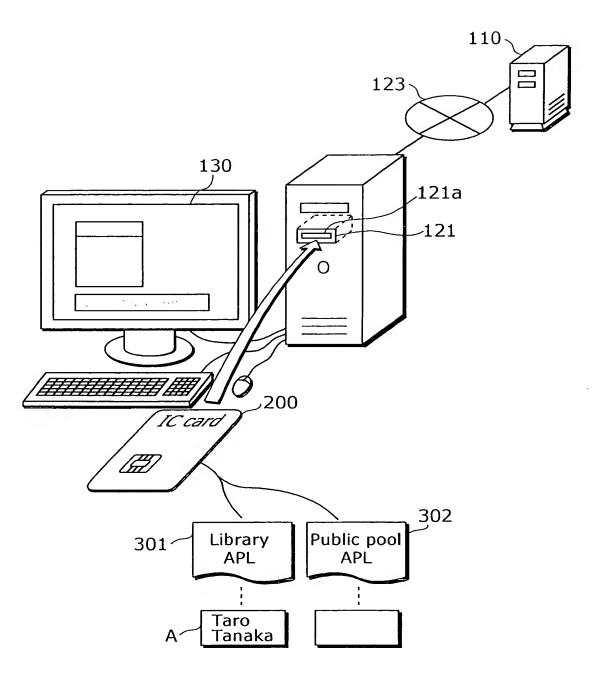
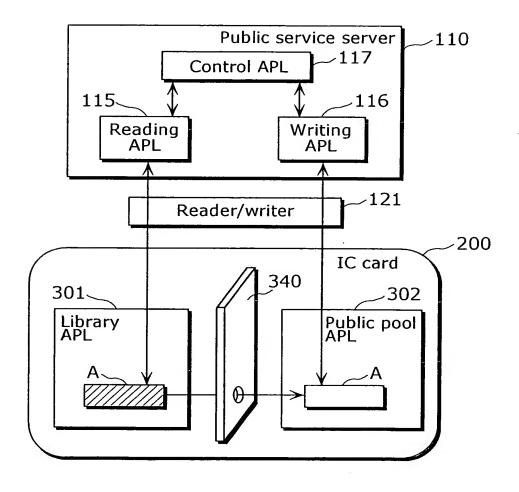


FIG. 6



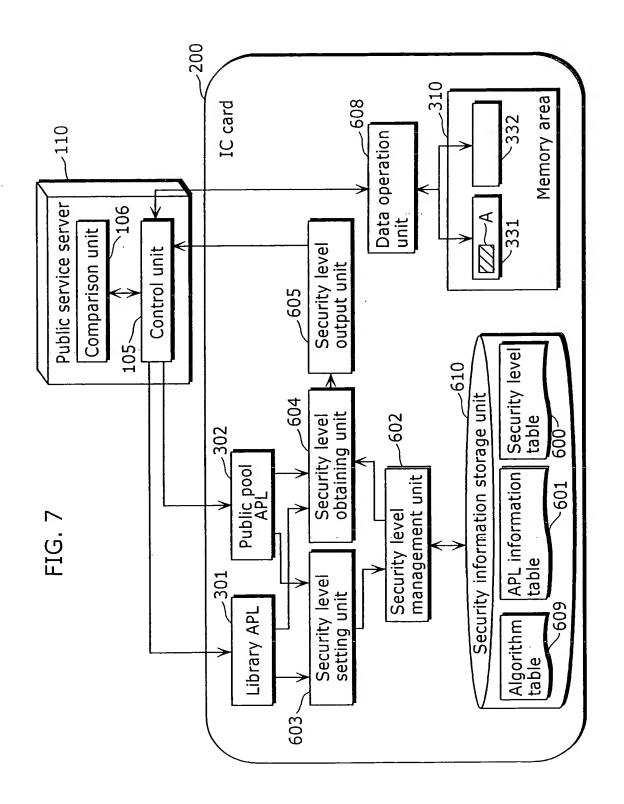


FIG. 8

	_	\sim	_
	n	()	•
_	v	v	•

Security level table						
Level Value Encryption algorithm						
Strong	03h	Triple-DES				
Medium	02h	DES				
Weak	01h	AES				
None	00h	No encryption				

FIG. 9

609

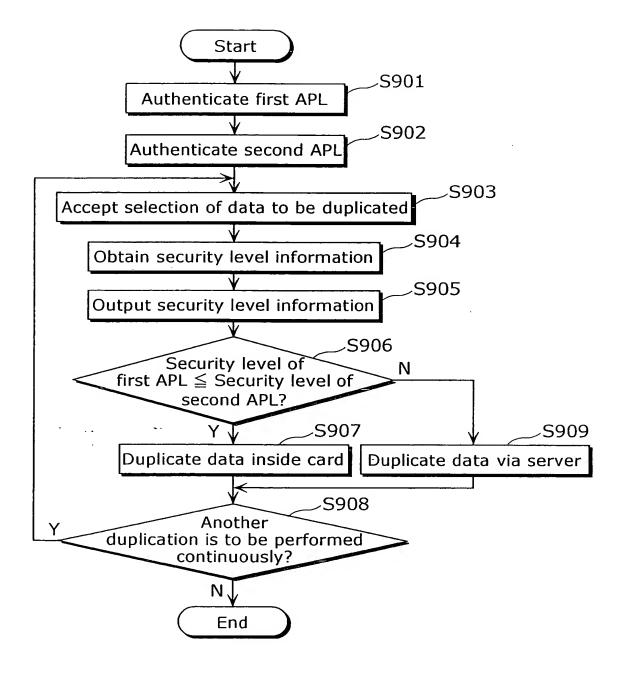
Algorithm table					
Number Encryption algorithm					
0	Triple-DES				
1	DES				
2	AES				
3	No encryption				

FIG. 10

	601						
APL information table							
	1						
Library APL information	ار مراجع مراجع	Application ID	2 bytes				
Public pool APL	se Se	Security level	2 bytes				
information	.	Encryption information	4 bytes				
•••		Key information	32 bytes				
Electronic money APL information		Protocol version information	4 bytes				

00h 90 00 0 00h 00h 00h 00h 00h 90 P 00 00 00h 00 P : : : 00h 03h FDh 90 P 90 Ph 00 0 00h 33h 00h 02h 34h 00h 02h 00h 78h 00h FEh 00h 22h 00h FFh 00h 00 Ph 00 0 01h 12h 01h 80h 01h **56**h 03h CO 05h 11h FFh FEh 03h S 1Ah Encryption information Encryption information Encryption information Version information Version information Version information Key information Key information Key information Application ID Application ID Application ID Security level Security level Security level Library APL information Public pool APL information Electronic money APL information FIG. 11

FIG. 12



Library card

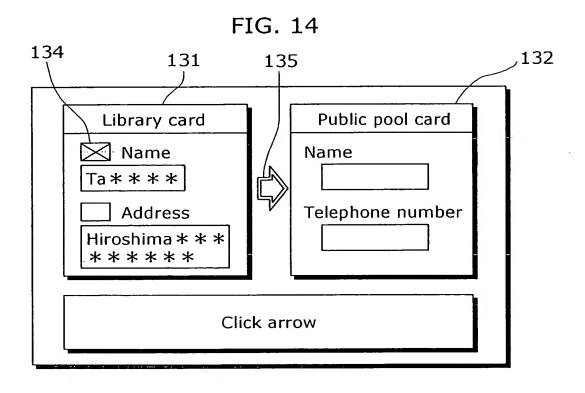
Name

Ta****

Address

Hiroshima***

Duplicate data



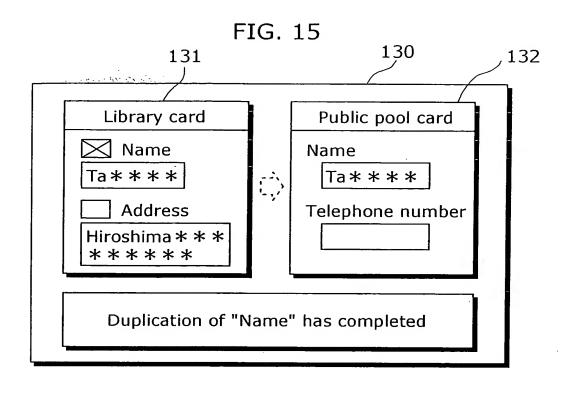
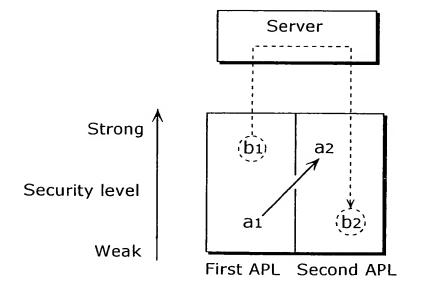
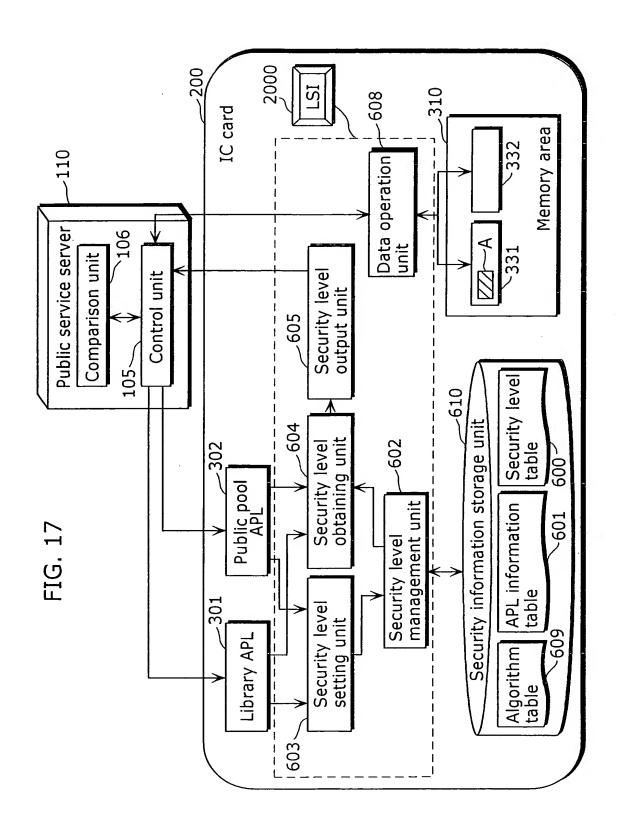


FIG. 16





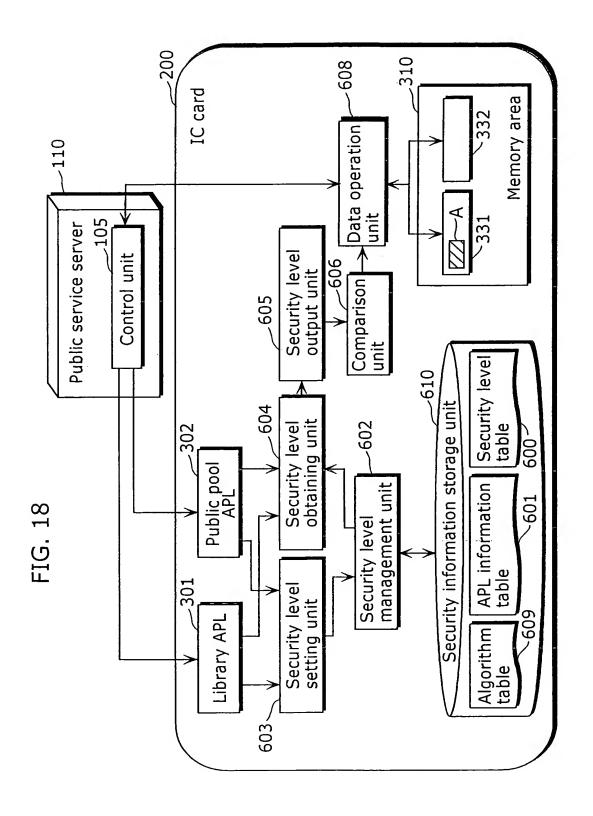
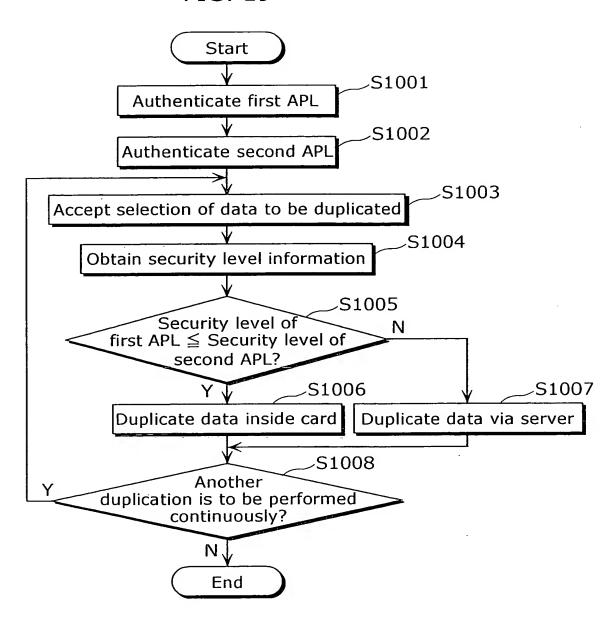


FIG. 19



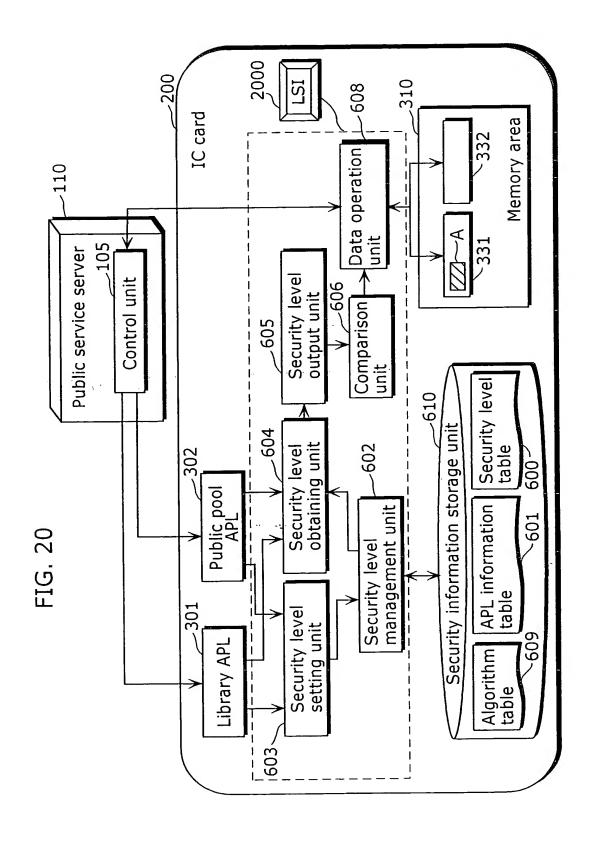


FIG. 21

CLÁ	INS	P1	P2	Lc	Data	Le
<ma< td=""><th>andato</th><th>ry head</th><th>der></th><td>←</td><td>Conditional body</td><th>/></th></ma<>	andato	ry head	der >	←	Conditional body	/>

FIG. 22

Command name	SELECT	READ RECORD	INTERNAL AUTHENTICATE
CLA(1byte)	00h	00h	00h
INS(1byte)	A4h	B2	88h
P1(1byte)	XXh	Record Number	00h
P2(1byte)	00h	XXh	00h

FIG 23

			DF	ent DF	ame	ame	ame
Meaning	Select MF, DF and EF	Select child DF	Select EF under current DF	Select parent DF of current DF	Direct selection by DF name	Direct selection by DF na Select from MF	Direct selection by DF na Select from MF Select from current DF
b1	0	1	0	1	0	0 0	0 0 1
b2	0	0	1	Ţ	0	0	0 0
b3	0	0	0	0	┯	1 0	0 0
p4	0	0	0	0	0	0 1	0 + +
p2	0	0	0	0	0	0 0	0 0 0
b8 b7 b6 b5 b4 b3 b2 b1	0	0	0	0	0	0 0	000
p2	0	0	0	0	0	0 0	000
p8	0	0	0	0	0	00	000

FIG. 24

Data section	SW1	SW2
Body	←—Tra	iler

FIG. 25

b8	b7	b6	b5	b4	b3	b2	b1	Meaning
0	0	0	0					Common command
1	0	0	0					Unique command

FIG. 26A **~200** IC card 202 201 205ر 203 .CPU IFROM RAM Flash memory TRM area Secure 209 flash 206 208 FeRAM 207

FIG. 26B

